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(57) Abstract		
<p>The invention provides an article of manufacture comprising a substantially non-immunogenic bone xenograft (X) for implantation into a defect (D) located in a bone portion (10) of a human. The invention further provides methods for preparing a bone xenograft (X) by removing at least a portion of bone from a non-human animal to provide a xenograft (X); washing the xenograft (X) in saline and alcohol; and subjecting the xenograft (X) to at least one of the treatments including exposure to ultraviolet radiation, immersion in alcohol, ozonic, and freeze/thaw cycling. In addition to or in lieu of the above treatments, the methods include a cellular disruption treatment, and digestion of the carbohydrate moieties of the xenograft (X) with a glycosidase followed by treatment for sialylation.</p>		
		